

Glasgow Fire Weather

2004

Location

The National Weather Service in Glasgow, Montana is located across the street from the Glasgow International Airport. The mailing address is:

National Weather Service
101 Airport Road
Glasgow, MT 59230

Important Phone Numbers and Office Information

Fire Weather Desk: (406) 228-9622 and (406) 228-4042
Administrative line: (406) 228-2850 FAX (406) 228-9627

Internet <http://www.wrh.noaa.gov/glasgow>

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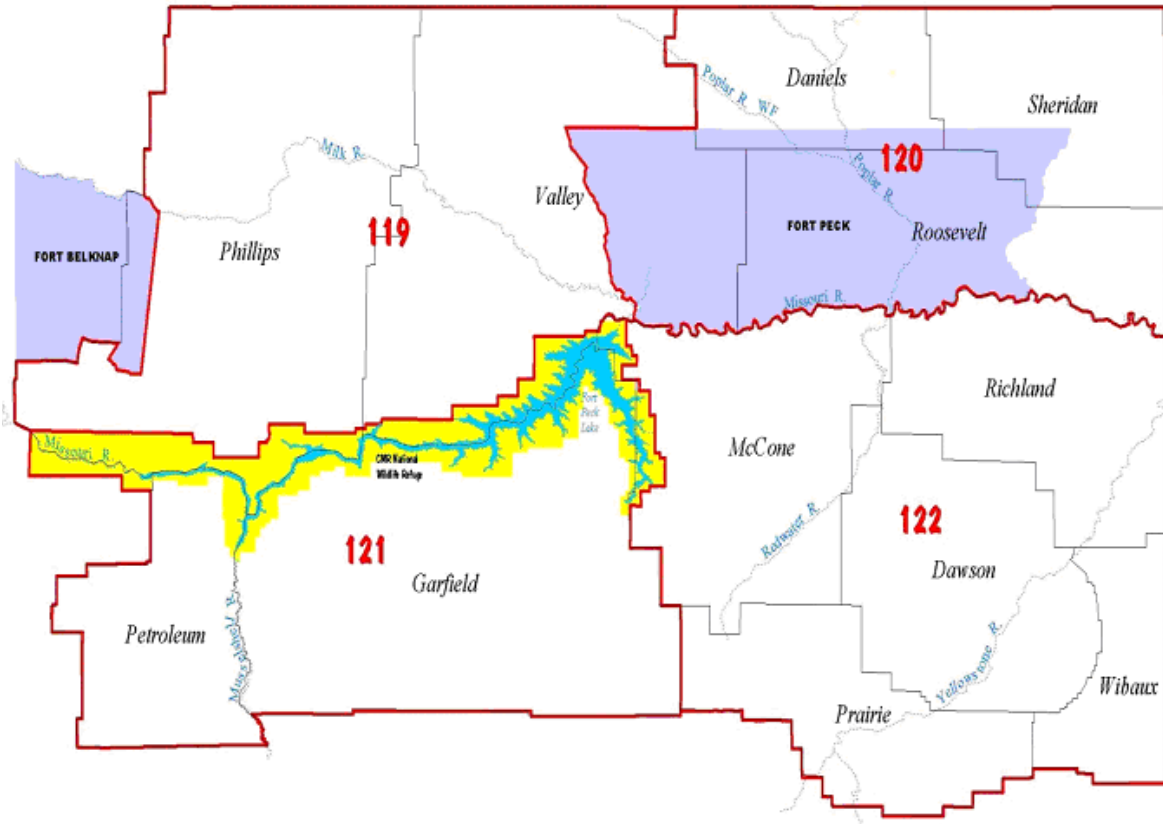
Tanja Fransen - Warning Coordination Meteorologist
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Area and Agencies Served

The Glasgow Fire Weather District covers Zones 119 through 122 in Northeast Montana.

The Glasgow, NWS offices will issue detailed forecasts to fire control agencies in the area encompassing northeast Montana. Agencies served include:

1. Bureau of Land Management
Lewistown and Miles City District
2. Bureau of Indian Affairs
Fort Peck Reservation
3. US Fish and Wildlife Service
Bowdoin Refuge
Charles M. Russell Refuge
Hewitt Lake Refuge
Lamesteer Refuge
Medicine Lake Refuge
War Horse Refuge
4. Montana Department of Natural Resources and Conservation
5. County and local agencies



Forecast Zone Descriptions

Zone 119: PHILLIPS AND VALLEY COUNTIES

Zone 119 in Northeast Montana includes portions of the Lewistown District of the BLM, Montana State Lands, and National Wildlife Refuge Lands. This area consists of Phillips and Valley Counties in Montana excluding portions of the Fort Belknap Indian Reservation lands in Phillips County, and excluding portions of Fort Peck Indian Reservation in Valley County, and excluding all lands in Phillips and Valley Counties that are part of the Charles M. Russell National Wildlife Refuge.

ZONE 120: FORT PECK INDIAN RESERVATION

Zone 120 in Northeast Montana includes the Fort Peck Indian Reservation, portions of the Miles City District of the BLM, and Montana state lands, and National Wildlife Refuge Lands. This area consists of Daniels, Sheridan, and Roosevelt Counties, including all of the Fort Peck Indian Reservation within Valley County.

ZONE 121: CHARLES M. RUSSELL NATIONAL WILDLIFE REFUGE

Zone 121 in Northeast Montana includes the Charles M. Russell National Wildlife Range and portions of the Lewistown District and the Miles City District of the BLM, and Montana state lands. This area is bounded by Petroleum and Garfield Counties and includes all of the Charles M. Russell National Wildlife Refuge north and south of the Missouri river.

ZONE 122: McCONE/RICHLAND/DAWSON/PRAIRIE/WIBAUX COUNTIES

Zone 122 in Northeast Montana includes portions of the Miles City District of the BLM, and Montana state lands, and National Wildlife Refuge Lands. The area consists of McCone, Richland, Dawson, Prairie, and Wibaux Counties.

FORECAST SERVICES

1. Morning forecast issued between 0630 and 0700, 7 days a week in fire season.
2. Afternoon forecast issued between 1430 and 1500, 7 days a week in July, August, and September
3. Spot forecasts issued on request
4. Red flag warnings and fire weather watches. The following conditions will be considered for Red Flag events.
 - a. Scattered dry thunderstorms with greater than 15 percent coverage.
 - b. Increased thunderstorm activity, wet or dry, during an extremely dry period.
 - c. Surface winds are expected to increase to 20 mph or higher or change directions abruptly due to the approach and passage of a cold front, squall line, or other weather phenomena other than isolated thunderstorms.
 - d. RH below 20% with surface wind 20 mph or higher in the summer (June, July, August) with green grass.
 - e. RH below 30% with surface wind 20 mph or higher in the spring before green up (April, May) or in the fall after the grass turns brown (September, October).
 - f. Anytime the forecaster foresees a change in weather that would result in a significant increase in fire danger.
5. Updates to all products as conditions warrant
6. Point Forecasts for NFDRS issued between 1400 and 1500, 7 days a week in fire season. The locations for point forecasts include:

<u>WIMS ID</u>	<u>Location</u>	<u>Zone</u>
240807	Zortman Mine	119
240809	Manning Corral	121
240902	Bluff Creek	119
240903	King Coulee	119
241102	Medicine Lake	120
242302	Chain Buttes	121
242303	Dry Blood Creek	121
242403	South Sawmill	121
242501	Poplar	120
244002	Big Sheep Mountain	122

7. Smoke Management Forecasts - smoke management information will be included in all Fire Weather Forecasts. In November, these forecasts may be issued exclusively.

LIST OF REFERENCE RAWS STATIONS BY FIRE WEATHER ZONE

Zone	Station Name	WIMS #	County	Location	Elev	Aspect
119	Zortman Mine	240807	Phillips	47 deg 55 min N 108 deg 33 min W	4660	Ridge
119	Bluff Creek	240902	Valley	48 deg 52 min N 106 deg 57 min W	2550	Flat
119	King Coulee	240903	Valley	47 deg 48 min N 107 deg 1 min W	2760	Ridge
120	Poplar	242501	Roosevelt	48 deg 8 min N 105 deg 4 min W	2223	Flat
120	Medicine Lake	241102	Sheridan	48 deg 29 min N 104 deg 29 min W	1975	Flat
121	Chain Buttes	242302	Petroleum	47 deg 31 min N 108 deg 3 min W	2928	Ridge N-S
121	Dry Blood Creek	242303	Petroleum	47 deg 15 min N 108 deg 22 min W	3140	Ridge S
121	Manning Corral	240809	Phillips	47 deg 42 min N 108 deg 29 min W	3080	Slope SW
121	South Sawmill	242403	Garfield	47 deg 34 min N 107 deg 32 min W	3230	Ridge W
122	Big Sheep	244002	Prairie	47 deg 1 min N 105 deg 49 min W	3150	Valley W-E
122	Pine Hill		Wibaux	46 deg 47 min N 104 deg 35 min W	2650	Slope E